Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	02/08/2018 10:28 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	126012	0	1.32	125865	1.27
Blue	F	SSC	125000	124389	-1	3.28	124609	2.96
Blue	E	FITC	23615	22674	-4	2.48	1009	10.48
Blue	D	PE	26739	26183	-3	1.96	939	10.20
Blue	B	PerCP-Cy5-5	48339	47652	-2	3.44	1371	17.10
Blue	A	PE-Cy7	45021	44566	-2	5.20	685	36.12
Red	C	APC	53064	52605	-1	2.71	3015	9.51
Red	A	APC-Cy7	57175	56096	-2	2.61	1176	11.08
Violet	B	V450	14728	14040	-5	5.42	673	9.74
Violet	A	V500	58621	56883	-3	5.36	2514	7.37

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19578	2.20	611	-3	N/A	N/A	Pass
Blue	F	SSC	61710	1.48	556	10	N/A	N/A	Pass
Blue	E	FITC	113	38.83	547	-1	0.0196	99	Pass
Blue	D	PE	205	30.04	538	2	0.1462	232	Pass
Blue	B	PerCP-Cy5-5	215	46.33	637	2	0.0099	134	Pass
Blue	A	PE-Cy7	75	121.79	695	2	0.0116	17	Pass
Red	C	APC	346	28.05	597	0	0.0201	62	Pass
Red	A	APC-Cy7	128	40.43	579	-1	0.0056	1743	Pass
Violet	B	V450	80	45.89	465	-5	0.0511	2672	Pass
Violet	A	V500	183	23.29	492	-5	0.0155	653	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.42	-31.23	0.96
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.35
Red	18.67	14.40 - 21.60	N/A	N/A	31.22	31.37	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 10046

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments